

MAR 08 2019

SENATE CONCURRENT RESOLUTION

REQUESTING THAT THE DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT, AND TOURISM CONVENE AN INTERNATIONAL MOON BASE
ALLIANCE COMMITTEE TO PROVIDE RECOMMENDATIONS AND GUIDANCE
FOR THE DEVELOPMENT OF EVOLVABLE LUNAR ARCHITECTURE ON THE
ISLAND OF HAWAII.

1 WHEREAS, Hawaii has a strategic location near the equator
2 and in the middle of the Pacific Ocean, resident expertise in
3 aerospace-related technologies, and terrain that is similar to
4 the moon and Mars; and

5
6 WHEREAS, Hawaii has played a seminal role in the national
7 space program by providing astronaut training for the Apollo
8 lunar missions and cutting-edge applications of aerospace-
9 related technologies in planetary geosciences, satellite
10 communications, space-based remote sensing, environmental
11 monitoring, and deep-space surveillance; and

12
13 WHEREAS, Hawaii has long-standing ties with space-faring
14 nations worldwide; and

15
16 WHEREAS, the island of Hawaii's moon-like terrain provides
17 an ideal environment for the development, testing, and
18 validation of a prototype moon base that allows humans to live
19 on the surface of the moon to conduct research and commercial
20 operations, also known as evolvable lunar architecture; and

21
22 WHEREAS, the island of Hawaii can create jobs and
23 educational opportunities for local students, professionals, and
24 entrepreneurs as a venue for research related to
25 telecommunications, power generation, food production, and life
26 support systems that would allow interplanetary travel; and
27



1 WHEREAS, new types of economic activity such as asteroid
2 mining, space-based solar power generation, and the use of lunar
3 resources could enrich terrestrial civilization, help preserve
4 the Earth's fragile environment, and ultimately enable
5 sustainable human exploration to Mars and beyond; now,
6 therefore,
7

8 BE IT RESOLVED by the Senate of the Thirtieth Legislature
9 of the State of Hawaii, Regular Session of 2019, the House of
10 Representatives concurring, that the Department of Business,
11 Economic Development, and Tourism are requested to convene a
12 committee to be known as the International Moon Base Alliance,
13 comprising representatives from government, industry, and
14 research institutions to provide recommendations and guidance
15 for the development of evolvable lunar architecture on the
16 island of Hawaii; and
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18 BE IT FURTHER RESOLVED that the Department of Business,
19 Economic Development, and Tourism is requested to extend
20 invitations to join the International Moon Base Alliance,
21 without compensation, to representatives of relevant government,
22 industry, and university organizations, including but not
23 limited to:
24

- 25 (1) Hawaii-based organizations, including the Office of
26 Aerospace Development, the Hawaii Aerospace Advisory
27 Committee, the Pacific International Space Center for
28 Exploration Systems, the Hawaii Space Flight
29 Laboratory at the University of Hawaii at Manoa, and
30 the Hawaii Space Exploration Analog and Simulation
31 Program operated by the University of Hawaii at Manoa;
32
- 33 (2) The National Aeronautics and Space Administration,
34 including but not limited to the Space Portal at NASA
35 Ames Research Center and the Exploration Integration
36 and Science Office at the Johnson Space Center;
37
- 38 (3) Other appropriate federal entities and national space
39 agencies, including but not limited to the Federal
40 Aviation Administration, United States Indo-Pacific
41 Command, and United States Army Pacific;
42



- 1 (4) The Lunar Exploration and Analysis Group;
- 2
- 3 (5) The University Space Research Association, including
- 4 the Lunar and Planetary Institute;
- 5
- 6 (6) Major corporations representing aerospace, information
- 7 technology, renewable energy, robotics, manufacturing,
- 8 and other appropriate industrial sectors;
- 9
- 10 (7) National space advocacy organizations, including the
- 11 National Space Society, the Lunar Explorers Society,
- 12 the Space Frontier Foundation, and the American
- 13 Astronautical Society;
- 14
- 15 (8) Global space agencies and organizations, including the
- 16 United Nations Office for Outer Space Affairs, the
- 17 International Lunar Exploration Working Group, the
- 18 International Space Exploration Coordination Group,
- 19 and the Committee on Space Research;
- 20
- 21 (9) The Chairs of the following committees of the Hawaii
- 22 State Senate, or their designees:
- 23
- 24 (A) Energy, Economic Development, and Tourism; and
- 25
- 26 (B) Technology; and
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- 28 (10) The Chairs of the following committees of the Hawaii
- 29 State House of Representatives, or their designees:
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- 31 (A) Economic Development and Business; and
- 32
- 33 (B) Public Safety, Veterans, and Military Affairs;
- 34 and
- 35

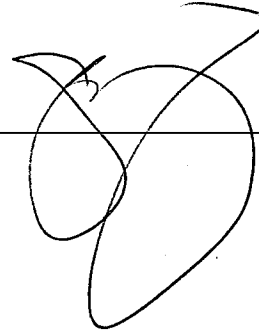
36 BE IT FURTHER RESOLVED that the Department of Business,
37 Economic Development, and Tourism is requested to use its
38 resources and technology to encourage virtual meetings in order
39 to submit an interim report to the Legislature on the progress
40 of the development of evolvable lunar architecture on the island
41 of Hawaii, including any findings, recommendations, and proposed
42 legislation, no later than twenty days prior to the convening of



1 the Regular Session of 2020, and a final report to the
2 Legislature no later than twenty days prior to the convening of
3 the Regular Session of 2021; and
4

5 BE IT FURTHER RESOLVED that certified copies of this
6 Concurrent Resolution be transmitted to the Governor;
7 Administrator of the National Aeronautics and Space
8 Administration; Administrator of the Federal Aviation
9 Administration; Commander of United States Indo-Pacific Command;
10 Commanding General of the United States Army Pacific; Director
11 of Business, Economic Development, and Tourism; Chair of the
12 Senate Committee on Energy, Economic Development, and Tourism;
13 Chair of the Senate Committee on Technology; Chair of the House
14 Committee on Economic Development and Business; and Chair of the
15 House Committee on Public Safety, Veterans, and Military
16 Affairs.
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OFFERED BY: _____



Clarence H. Richman

